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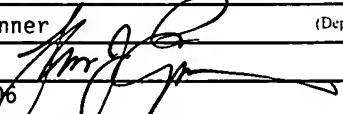
021125 7590 08/24/2006
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Thomas J. Engellenner	(Depositor's name)
	
(Signature)	
November 21, 2006	
(Date)	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/661,831	09/12/2003	Qing Hu	101328-0178	7713

TITLE OF INVENTION: TERAHERTZ LASERS AND AMPLIFIERS BASED ON RESONANT OPTICAL PHONON SCATTERING TO ACHIEVE POPULATION INVERSION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	YES	\$700	\$300	\$0	\$1000	11/24/2006
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EXAMINER	ART UNIT	CLASS-SUBCLASS
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VAN ROY, TOD THOMAS	2828	372-040000
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Massachusetts Institute of Technology

(B) RESIDENCE: (CITY and STATE OR COUNTRY) 10/27/2006 SZEWDIE2 00000041 10661831

Cambridge, MA

01 FC:2501
02 FC:1504

700.00 OP
300.00 OP

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

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A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge ANY ADDITIONAL fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 141449 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date November 21, 2006

Typed or printed name Thomas J. Engellenner

Registration No. 28,711

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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November 21, 2006

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Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RE: U.S. Patent Application Serial No. 10/661,831, Filed September 12, 2003
"Terahertz Lasers and Amplifiers Based on Resonant Optical Phonon Scattering to Achieve Population Inversion" by Qing Hu, et al.
Examiner: Tod Thomas Van Roy, Group Art Unit: 2828
Confirmation No. 7713
Attorney Docket No. 101328-178

Dear Sir or Madam:

I enclose herewith for filing in the above-identified application the following:

1. Issue Fee Transmittal Form (PTOL-85) (with attached Certificate of Mailing);
2. Check in the amount of \$1,000.00 (in payment of Issue Fee/small entity: \$700.00, and Publication Fee: \$300.00); and
3. Acknowledgment postcard.

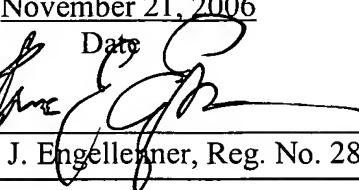
Please charge any additional fees or credit any overpayment to our Deposit Account No. 141449. The undersigned requests any extensions of time necessary to respond. A duplicate copy of this letter is enclosed.

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November 21, 2006

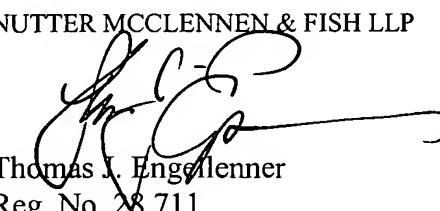
Date

By


Thomas J. Engellenner, Reg. No. 28,711

Respectfully submitted,

NUTTER McCLENNEN & FISH LLP


Thomas J. Engellenner
Reg. No. 28,711

TJE:mrr/Enclosures

1581491.1

NUTTER McCLENNEN & FISH LLP • ATTORNEYS AT LAW

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